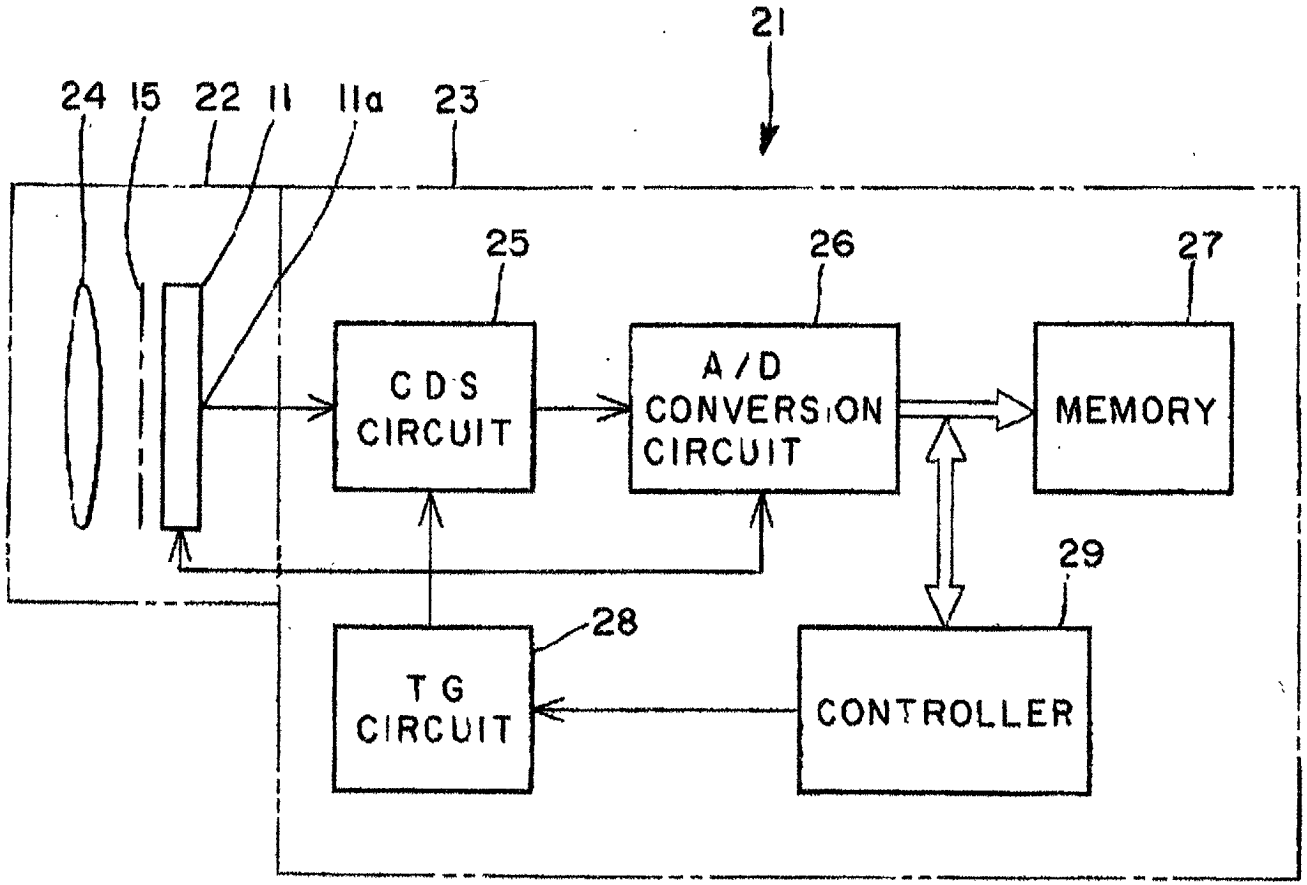

FIG. 1

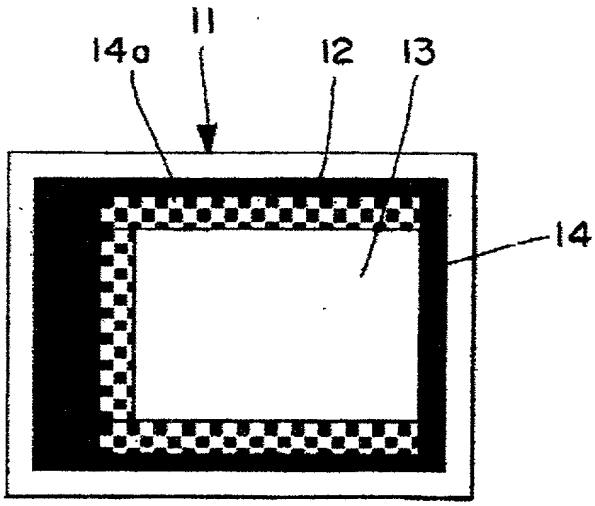

FIG. 2a

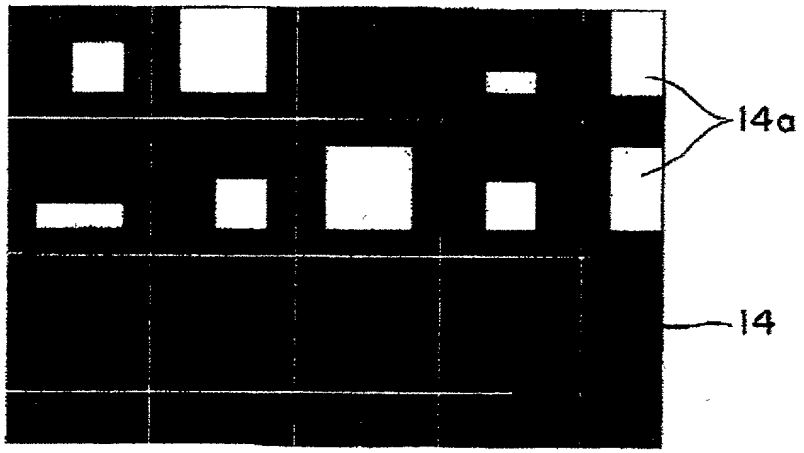

FIG. 2b

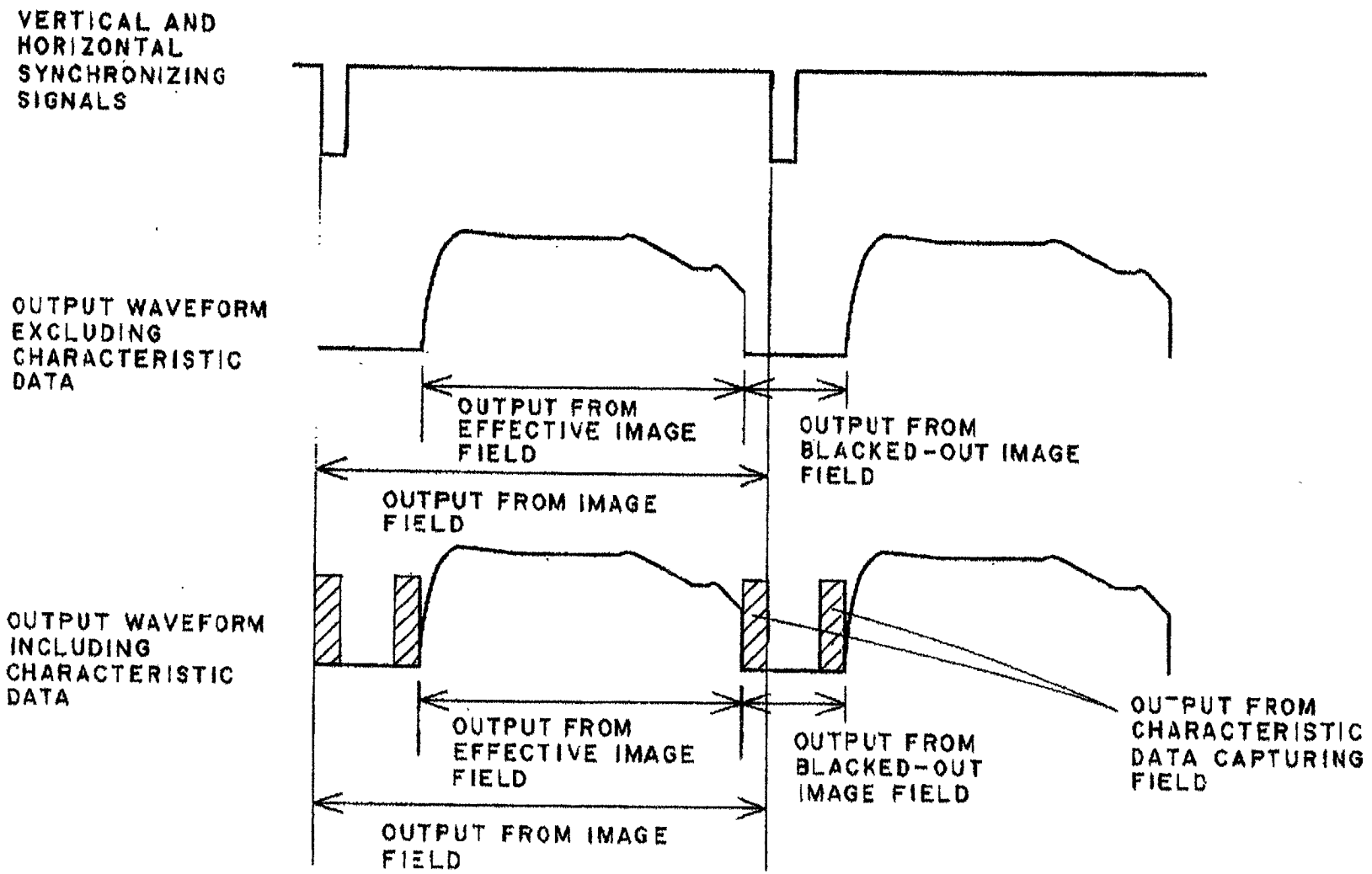
VERTICAL AND HORIZONTAL SYNCHRONIZING SIGNALS
OUTPUT WAVEFORM EXCLUDING CHARACTERISTIC DATA
OUTPUT FROM EFFECTIVE IMAGE FIELD
OUTPUT FROM BLACKED-OUT IMAGE FIELD
OUTPUT FROM IMAGE FIELD
OUTPUT WAVEFORM INCLUDING CHARACTERISTIC DATA
OUTPUT FROM EFFECTIVE IMAGE FIELD
OUTPUT FROM BLACKED-OUT IMAGE FIELD
OUTPUT FROM CHARACTERISTIC DATA CAPTURING FIELD
OUTPUT FROM IMAGE FIELD

FIG. 3

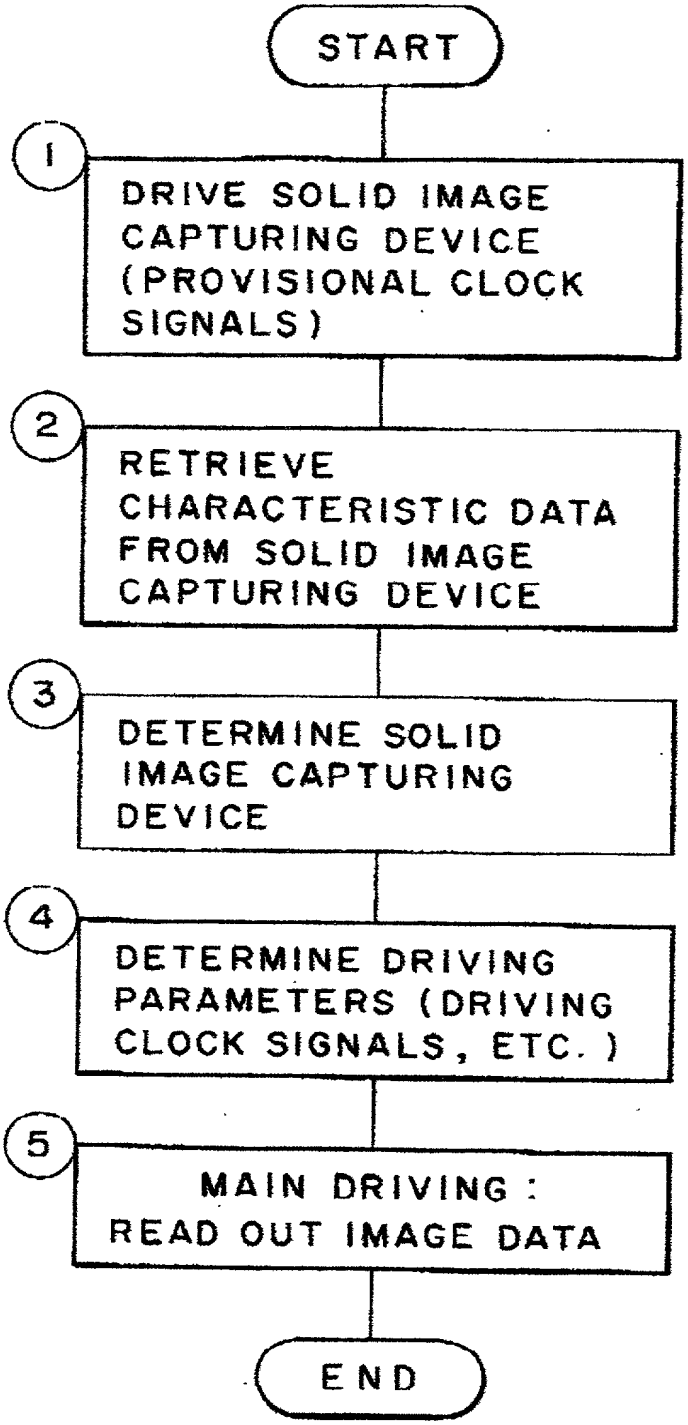
START
1
DRIVE SOLID IMAGE CAPTURING DEVICE (PROVISIONAL CLOCK SIGNALS)
2
RETRIEVE CHARACTERISTIC DATA FROM SOLID IMAGE CAPTURING DEVICE
3
DETERMINE SOLID IMAGE CAPTURING DEVICE
4
DETERMINE DRIVING PARAMETERS (DRIVING CLOCK SIGNALS, ETC.)
5
MAIN DRIVING : READ OUT IMAGE DATA
END

FIG. 4

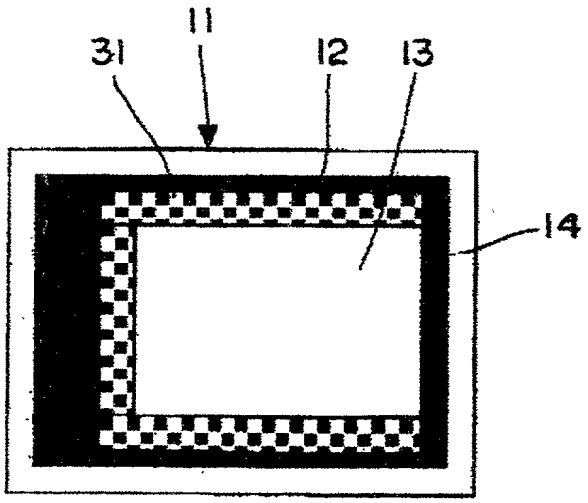

FIG. 5

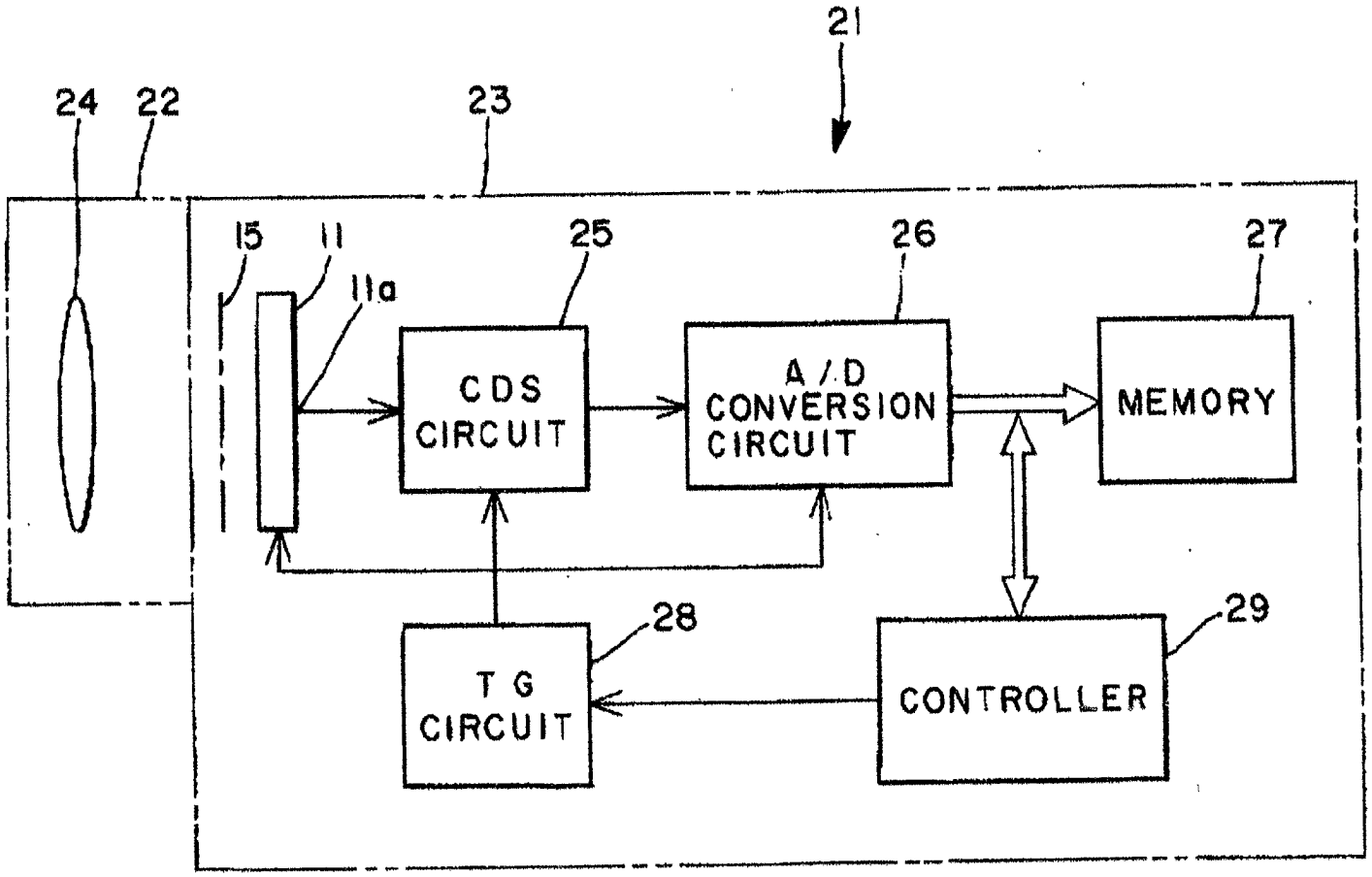
21
24
22
23
15
11
11a
25
26
27
CDS CIRCUIT
A/D CONVERSION CIRCUIT
MEMORY
28
29
T G CIRCUIT
CONTROLLER

FIG. 6

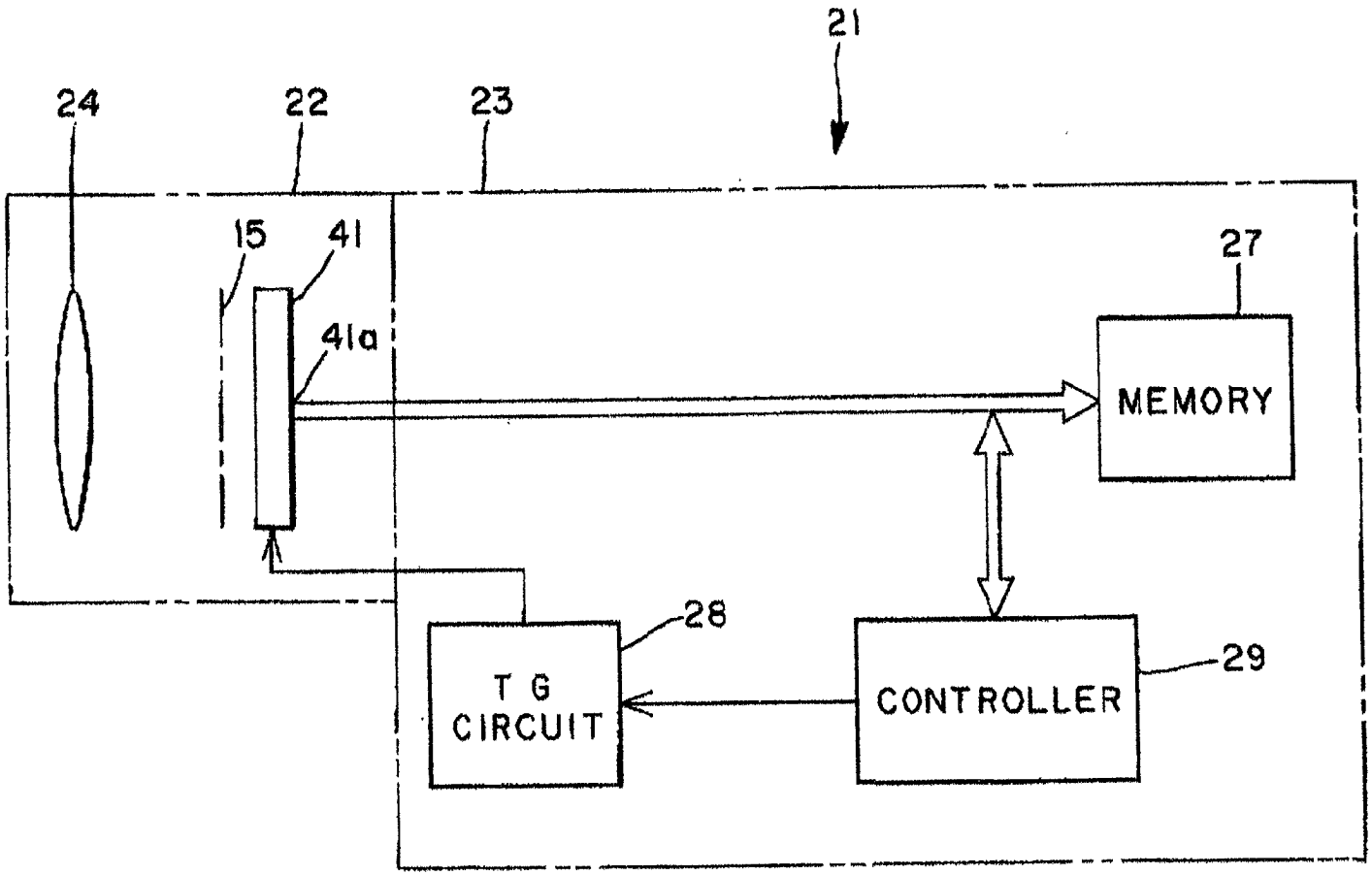

FIG. 7

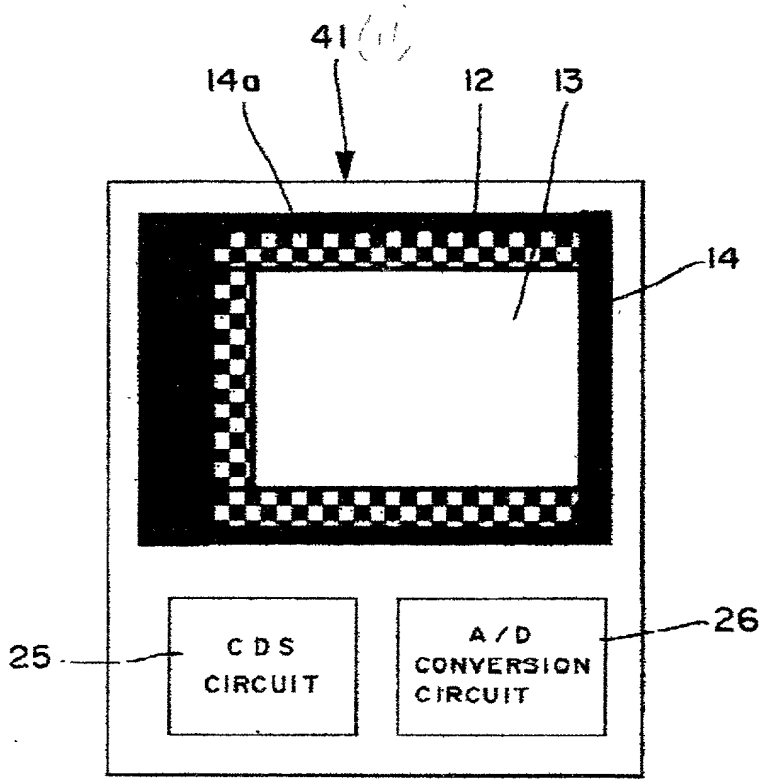

FIG. 8

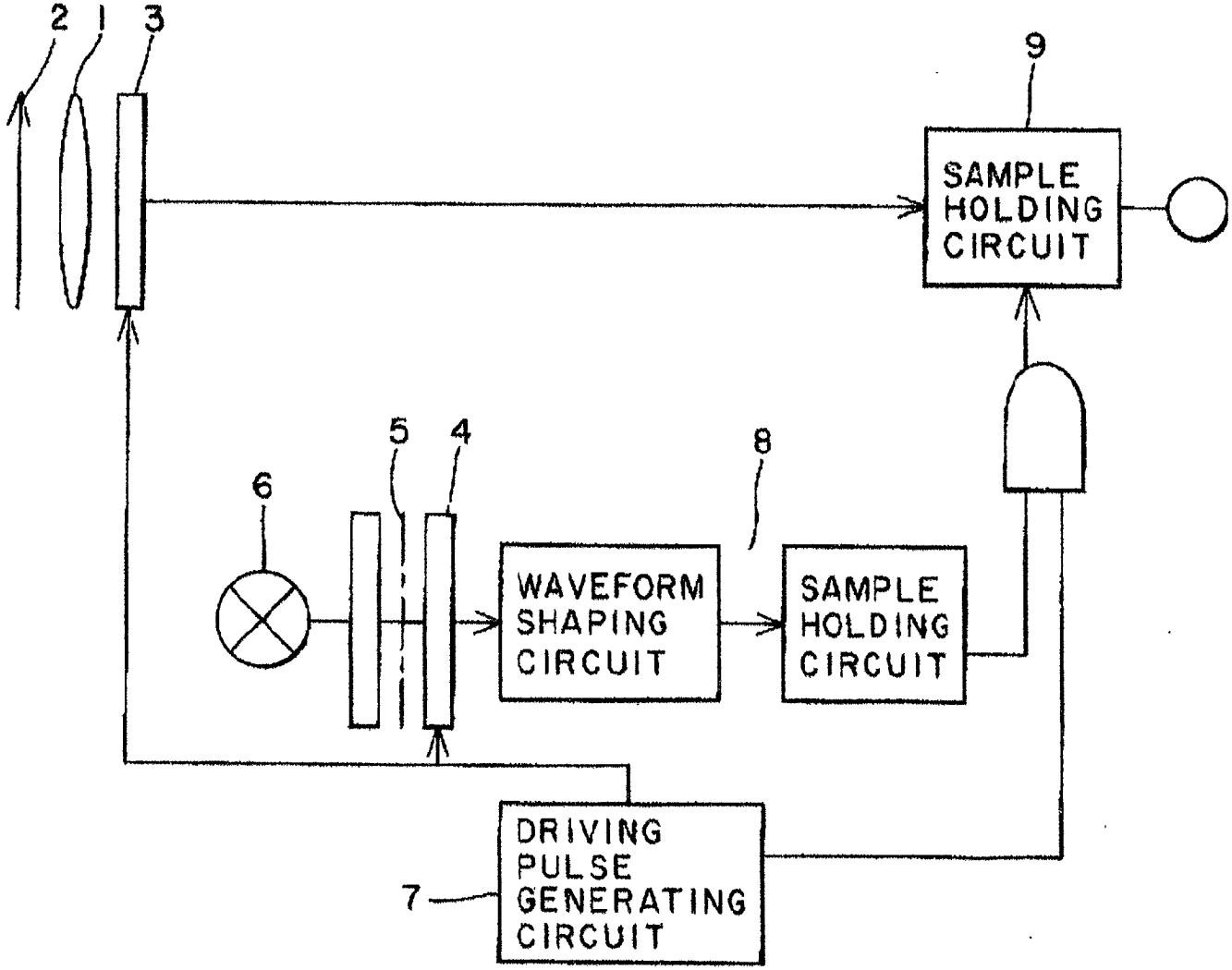
2
1
3
9
SAMPLE HOLDING CIRCUIT
5
4
8
6
WAVEFORM SHAPING CIRCUIT
SAMPLE HOLDING CIRCUIT
DRIVING PULSE GENERATING CIRCUIT
7

FIG. 9

WAVEFORM REPRESENTING OUTPUT FROM CCD

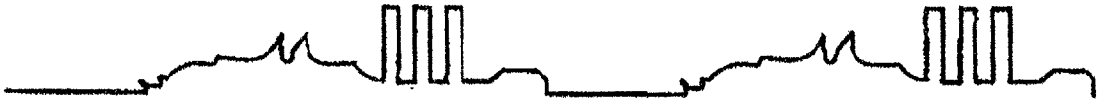

FIG. 10a

OUTPUT FROM CCD MEMORY

FIG. 10b